

# ELGA LabWater

## Providing a reliable source of laboratory water

### Are you using the right quality of laboratory water?

Water plays a vital role in laboratory applications. Thanks to its favorable chemical and physical properties, water is often considered the 'universal solvent' as it dissolves more substances than any other liquid. Hence water is used in almost every experiments, tests and reactions. Therefore using the right water purity and system is the key to succeed in what you are tackling at the bench.



With over 80 years of experience dedicated to solely pioneering water purifications systems, ELGA LabWater provides laboratories around the world with a reliable source of lab water.

ELGA LabWater designed a series of laboratory water purification systems, with their PureSure® Technology, to give you a choice of water qualities that range from primary grade for simple routine washing and rinsing, through to ultrapure water for the most critical applications.

	Type I / I+ water	Type II / II+ water	Type III water
Conductivity, $\mu\text{S}/\text{cm}$ at 25°C	< 0.056	< 1.0	< 0.25
Resistivity, $\text{M}\Omega\text{-cm}$ at 25°C	> 18	> 1.0	> 4.0
Total Organic Carbon (TOC), $\mu\text{g}/\text{L}$	< 50	< 50	< 200
Sodium, $\mu\text{g}/\text{L}$	< 1	< 5	< 10
Chlorides, $\mu\text{g}/\text{L}$	< 1	< 5	< 10
Total silica, $\mu\text{g}/\text{L}$	< 3	< 3	< 500
Typical Applications	<ul style="list-style-type: none"> <li>• Electrochemistry</li> <li>• Electrophoresis</li> <li>• GFAAS (Graphite Furnace Atomic Absorption Spectrophotometry)</li> <li>• HPLC</li> <li>• IC (Ion Chromatography)</li> <li>• ICPAES (Inductively Coupled Plasma Atomic Emission Spectrometry)</li> <li>• ICPMS (Inductively Coupled Plasma Mass Spectrometry)</li> <li>• Mammalian and bacterial cell culture</li> <li>• Molecular biology</li> <li>• Plant tissue culture</li> <li>• Qualitative analyses</li> </ul>	<ul style="list-style-type: none"> <li>• AAS (Atomic Absorption Spectrophotometry)</li> <li>• Buffer and media preparation</li> <li>• Electrophysiology</li> <li>• FAAS (Flame Atomic Absorption Spectrophotometry)</li> <li>• Feed to ultrapure water systems</li> <li>• Glassware washing/rinsing</li> <li>• General chemistry</li> <li>• Histology</li> <li>• Microbiological analysis</li> <li>• RIA (Radioimmunoassay) / ELISA</li> <li>• (Enzyme Linked Immunoabsorbant Assay)</li> </ul>	<ul style="list-style-type: none"> <li>• Autoclave feed</li> <li>• Feed to ultrapure water systems</li> <li>• Hydroponics</li> <li>• Plant growth cabinets</li> <li>• Stability chambers</li> <li>• Steam generators</li> <li>• Sterilizer feed</li> </ul>

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ELGA LabWater uses a combination of technologies, including activated carbon, electrodeionisation, ion exchange, PureSure®, reverse osmosis, sub-micron filtration and ultraviolet, to remove impurities and manage contaminants effectively in water supplies.

These technologies are arranged in combinations that are cost effective and their operation optimised, giving you a wide product solution for your lab water needs.



### PURELAB

Optimise work space with this award-winning range that is innovative, flexible and simple. PURELAB is designed as a single system solution in a compact unit, making it easy to use and maintain. Its built-in economical processes result in the lowest consumables costs with highest water quality and precision



### CENTRA

With a compact design, this range of modular water distribution and system is able to adapt to changing requirements of laboratories with lower costs. CENTRA store and deliver consistent water purity, with simple and easy sanitisation processes to ensure long-term bacterial control



### MEDICA

Technology design of this range produces water specified to Clinical Laboratory Reagent Water standard, using low consumable and running costs, for clinical diagnostics. As a reliable and efficient system, MEDICA ensures bacterial control, optimal purity and constant, compliant water supply during emergency situations.

## DKSH helps you find the right laboratory water system

Unsure what lab water purification system you need? Call us and let our specialist team help you choose the right laboratory water purification system for your laboratory application needs to attain accurate and reproducible results.

The DKSH service and support team offers a range of standard and bespoke on-site or return to workshop service contracts. These range from basic maintenance contracts to agreements covering parts, labour and priority emergency call outs to suit individual requirements.